



USTDA

U.S. TRADE AND DEVELOPMENT AGENCY

Energy & Power in Africa

Linking U.S. Businesses to
Global Infrastructure Opportunities

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The U.S. Trade and Development Agency helps companies create U.S. jobs through the export of U.S. goods and services for priority development projects in emerging economies. USTDA links U.S. businesses to export opportunities by funding project planning activities, pilot projects, and reverse trade missions while creating sustainable infrastructure and economic growth in partner countries.

USTDA Programs

USTDA promotes economic growth in emerging economies by facilitating the participation of U.S. businesses in the planning and execution of priority development projects in host countries. The Agency's objectives are to help build the infrastructure for trade, match U.S. technological expertise with overseas development needs, and help create lasting business partnerships between the United States and emerging economies.

USTDA advances these objectives through its two key programs, the International Business Partnership Program and the Project Development Program.

In support of the National Export Initiative, USTDA launched the International Business Partnership Program (IBPP) to connect foreign project sponsors with U.S. manufacturers and service providers in order to open new export markets and identify commercial opportunities for U.S. companies. USTDA's reverse trade missions – the mainstay of the IBPP – bring foreign decision-makers to the United States to observe the design, manufacture and operation of U.S. products and services that can help them achieve their development goals. These visits also include meetings with financial institutions to introduce financing options, as well as technical and regulatory bodies that can assist with strengthening the project sponsor's technical capacity.

Through feasibility studies, technical assistance and pilot projects, USTDA's Project Development Program helps overseas project sponsors identify technological solutions and various sources of financing for priority infrastructure projects.

Energy & Power in Africa

Energy activities are the single largest focus of USTDA's program in sub-Saharan Africa. USTDA doubled its energy investments in the region during the last fiscal year, and that commitment is poised to double again in FY 2014. So far this year, USTDA has funded a dozen new energy activities, which will support approximately 700 MW of new power generation capacity and help mobilize capital to finance over \$2 billion in energy infrastructure investments. USTDA's focus areas within the power sector include: (1) upstream natural resource development; (2) power generation using natural gas and renewable energy sources; (3) upgrades to transmission and distribution grids; and (4) enhancements to energy efficiency and demand-side management.

Supporting the Power Africa Initiative

Power Africa is a U.S. government initiative to double energy access in sub-Saharan Africa over the next five years. The initiative provides coordinated support from the U.S. public and private sectors to add 10,000 megawatts of cleaner, more efficient electricity generation capacity. In close collaboration with its interagency partners, USTDA supports the Power Africa initiative through the strategic deployment of its program tools. USTDA-funded feasibility studies and technical assistance provide the comprehensive analysis required for energy infrastructure investments to achieve financing and implementation. USTDA-sponsored reverse trade missions bring key decision makers from Africa to the United States to learn more about U.S. technology and service providers, regulatory frameworks and implementation financing that can support the deployment of new power infrastructure in sub-Saharan Africa.



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Catalyzing Financing for Energy Projects

The **U.S.-Africa Clean Energy Finance Initiative** is a collaborative financing mechanism aligning U.S. government resources in new ways to catalyze private sector investment in African clean energy infrastructure. With support from the U.S. Department of State, USTDA is leveraging its project planning expertise to support activities both eligible for and currently in the U.S. Overseas Private Investment Corporation's (OPIC) pipeline for private sector transactions.

The **U.S.-Africa Clean Energy Development and Finance Center**, established by USTDA, OPIC and the Export-Import Bank of the United States, is housed at the U.S. Consulate in Johannesburg, South Africa. The Center provides U.S. and African energy project developers with a centralized means to identify and access U.S. government financing and project planning resources to support trade and investment.

Recent Energy & Power Activities

University of Dodoma Solar Power Project: This feasibility study for the University of Dodoma in Tanzania will determine the technical, economic and financial viability of implementing a phased construction of three solar photovoltaic power installations on the University's campus. The U.S. contractor, Hecate Energy (Nashville, TN), is sharing the costs of the study.

Nigeria Electricity Distribution Sector Reverse Trade Mission: In October 2013, a USTDA-funded reverse trade mission connected senior managers from Nigeria's newly privatized distribution companies with U.S. technology and service providers that can help to improve the efficiency of transmission and distribution systems.

Fuel Cell Applications for Telecom in South Africa Pilot Project: A USTDA grant to a leading South African telecommunications solutions provider, Plessey Ltd, is funding a pilot project to demonstrate the use of methanol-powered fuel cells to supply power for remote telecom tower sites that are currently powered by diesel fuel generators. U.S. fuel cell manufacturer Oorja Protonics (Fremont, CA) is sharing the costs of the project.

Ghana Smart Grid Applications Project: This feasibility study is evaluating the critical aspects of smart grid applications in southern Ghana for the Electricity Company of Ghana Limited (ECG). The project will provide recommendations for a system that will address business process planning and provide training for ECG staff, helping to bring sustainability to ECG's infrastructure.

Concentrated Solar Power Plant Development in South Africa: This feasibility study is evaluating the technical and financial aspects of two proposed concentrated solar power plants that Ample Solar Holdings plans to build in South Africa's Northern Cape Province.

Contact us for more information:

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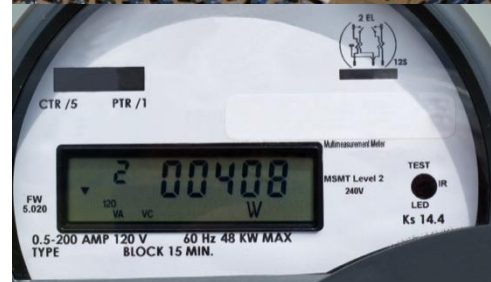
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